S1 Fig

S1A

Transfected

Mock

Alexa 647

S1B

Protein Surface Expression
(Alexa-647 gMFI)

S1C

VSV/Spike Entry
(Fold Luciferase Change)

S1D

VSV/Spike Entry
(Fold Luciferase Change)

S1E

VSV/LASV GP Entry
(Fold Luciferase Change)
S1 Fig: PS receptors synergize with ACE2, enhancing SARS-CoV-2 infection of HEK 293T cells. S1A) Representative surface staining of receptors transfected into cells. S1B) Surface expression (MFI) of proteins in mock transfected (empty vector) and transfected HEK 293T at 48 hours after transfection. Background fluorescence is shown for secondary antibodies used in experiment (α-goat or rabbit secondaries). S1C) HEK 293T cells, transfected PS receptors as noted with or without 250 ng of ACE2 were transduced with rVSV/Spike. Transduction was assessed 24 hours later via luminescence. S1D) Expression of MerTK did not affect rVSV/Spike transduction in the presence of 250 ng of transfected ACE2 plasmid. S1E) Expression of ACE2, TIM-1 or AXL did not enhance infection of VSV-luciferase/Lassa virus GP pseudovirions. HEK 293T cells were transfected with PS receptor plasmids and 50 ng of ACE2 and infected 48 hours later. Panels S1C, S1D, and S1E are shown as fold change of luciferase activity in cell lysates relative to mock transfected lysates that were set to a value of 1. Data shown are pooled from at least three independent experiments (S1C, S1D, S1E). Data represented as means ± SEM. One-Way ANOVA with multiple comparisons (S1C, S1E), Student’s t-test (S1D); asterisks represent p < 0.05.